



MERIT ENERGY COMPANY

## Shoshone 65-41

Plug and Abandonment Procedure Revised 3/29/2022

### Well Information

Field: Circle Ridge  
 County: Fremont County, Wyoming  
 Legal: 330' FSL & 2,310' FEL Section 36 T7N R3W  
 Lat/Long: 43.5336, -109.06064  
 API #: 4901306839

Ground level elevation	7,195'	KB Elevation:	7,204'
TD:	1,706'	PBTD:	1,490'
Surface Casing:	None		
Surface Casing Cement:	N/A		
Surface Casing TOC:	N/A	Source:	N/A
Production Casing; Liner:	5-1/2" 14.0 #/ft, J-55, @ 1,693' 4-1/2" 11.6 #/ft, K-55 @ 1,261'		
Production Casing Cement Liner Cement	100 sx Stratalite cement through shoe + 90 sx Regular through 2 stage at 1,267' 55 sx Class G		
Production Casing TOC Liner TOC	432' Surface	Source:	Calculation Workover Report
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Embar: 1,308' – 1,406' Embar: 1,544' – 1,660' (TA'd under permanent bridge plug @ 1,490')		
Well Status	Shut In Injector		

**Note:** All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

### Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to the bottom of the liner @ 1,261'.
3. Set CICR 50' above the the bottom of the liner at 1,211'.
4. Pump 1.5x wellbore volume (35\_sx) of cement below CICR.
5. Sting out of CICR, pump 25 sx on top of retainer (TOC = 926').
6. ~~WOC 24 hours.~~ **This step has been deemed to be not necessary and is removed.**
7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
8. Perforate at 400' thru 4.5" Liner and 5.5" production CSG.
9. Squeeze cement behind 5.5" csg from 400' to surface and then balance cement plug inside 4.5" liner to surface.
10. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
11. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

